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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**REVOCATION OF POWER OF  
ATTORNEY WITH  
NEW POWER OF ATTORNEY  
AND  
CHANGE OF CORRESPONDENCE ADDRESS**

Application Number	See attached list
Filing Date	
First Named Inventor	
Art Unit	
Examiner Name	
Attorney Docket Number	

I hereby revoke all previous powers of attorney given in the above-identified application:

☐ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint the practitioners associated with the Customer Number: **10948**☒ Please change the correspondence address for the above-identified application to:☒ The address associated with  
Customer Number:**10948**

OR

<input type="checkbox"/> Firm or Individual Name				
Address				
City		State		ZIP
Country				
Telephone		Email		

I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71  
Statement under 37CFR 3.73(b) is enclosed. (Form PTO/SB/96)**SIGNATURE of Applicant or Assignee of Record**

Signature			
Name	Thomas Arria		
Date	1/31/12	Telephone	781-219-8760

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐ Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.38. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Nokia Ref.	H&S Ref.	Filing Date	Application No.	Assignment Reel/Frame
NC64424US	800.0011.U1(US)	4/22/2009	12/428259	024722/0364
NC71284US	800.0381.U1(US)	2/4/2010	12/700511	024019/0348
<del>NC12634US</del>	<del>800.0733.U1(US)</del>	<del>2/6/1998</del>	<del>09/019614</del>	<del>008974/0166</del>
NC12634US	800.0733.U2(US)	6/10/2008	12/136449	008974/0166
NC24473US	800.0735.U1(US)	3/31/2000	09/540451	010912/0973 010912/0988
NC69378US	800.0749.U1(US)	8/17/2009	12/542373	027483/0688
NC55638US	800.0755.U1(US)	1/11/2010	12/521115	023761/0716
NC61416UC	800.0756.U1(US)	5/10/2011	13/128628	027359/0233
NC63794US	800.0757.U1(US)	6/30/2008	12/165153	021496/0482
NC66209US	800.0758.U1(US)	6/26/2009	12/492919	023224/0602
NC66535US	800.0759.U1(US)	3/30/2009	12/414603	023256/0253
NC69586US	800.0760.U1(US)	6/30/2009	12/494625	023227/0787
NC51525US	800.0761.U1(US)	4/22/2010	12/443345	024270/0621
NC53878US	800.0762.U1(US)	11/9/2010	12/377812	024667/0909
NC53880US	800.0763.U1(US)	5/18/2010	12/439532	024404/0529
NC54389US	800.0764.U1(US)	5/18/2010	12/514687	024400/0127
NC55438US	800.0765.U1(US)	6/24/2010	12/595560	024590/0948
NC56953US	800.0766.U1(US)	8/2/2010	12/678334	024775/0639
NC60284US	800.0767.U1(US)	12/10/2009	12/664021	023636/0946
NC61713US	800.0768.U1(US)	6/7/2010	12/746732	024496/0769
NC62354US	800.0769.U1(US)	7/21/2010	12/744031	024583/0458
NC62355US	800.0770.U1(US)	5/24/2010	12/744413	025851/0301
NC63181US	800.0771.U1(US)	4/14/2011	13/055654	026130/0778
NC63715US	800.0772.U1(US)	12/10/2010	12/997373	025471/0467
NC64542US	800.0773.U1(US)	2/28/2011	13/061175	027056/0271
NC66975US	800.0774.U1(US)	10/30/2009	12/609940	023652/0001 024282/0844
NC67044US	800.0775.U1(US)	2/27/2009	12/395577	023255/0708
NC68556US	800.0776.U1(US)	6/29/2009	12/493812	023241/0883
NC70113US	800.0777.U1(US)	11/30/2009	12/627603	023580/0773
NC70651US	800.0778.U1(US)	4/1/2010	12/752818	024466/0431
NC73465US	800.0780.U1(US)	3/12/2010	12/959650	027513/0283
NC73577US	800.0781.U1(US)	3/12/2010	12/949644	027510/0995
NC74454US	800.0783.U1(US)	6/7/2011	13/155126	026743/0054
NC63531US	854.0082.U1(US)	2/28/2009	12/395651	025748/0248
NC44728US	894A.0045.U2(US)	7/14/2011	13/183323	017590/0876



**Statement Under 37 C.F.R. 3.73(b)**

Owner: **Nokia Corporation**

Application No.: **See Attached**

Nokia Corporation, a corporation  
(Name of Assignee) (Type of Assignee)

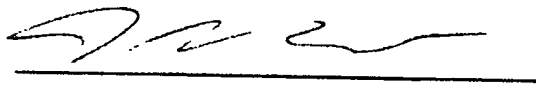
states that it is:

the assignee of the entire right, title and interest in:

the patent applications **identified on the attached list** by virtue of assignment(s) from the inventor(s) of the patent application(s).

The assignments were recorded in the United States Patent and Trademark Office on the Reel and Frame numbers listed on the attached list.

The undersigned is authorized to act on behalf of the assignee.

 1/31/12  
Date

Title: Sr. IPR Specialist



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NC64424US	800.0011.U1(US)	4/22/2009	12/428259	024722/0364
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NC44728US	894A.0045.U2(US)	7/14/2011	13/183323	017590/0876



**NOKIA**

### LIMITED POWER OF ATTORNEY

that we, the undersigned, under the authority granted to each of us to sign jointly on behalf of

**NOKIA CORPORATION**  
Keilalahdentie 4  
02150 Espoo  
Finland

hereby authorize the following person

Thomas Arria  
Nokia Corporation  
5 Wayside Road  
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U.S.A.

Nokia Corporation  
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Business ID number  
0112028-9, Finland

in his capacity as Senior IP Specialist, Patenting, to sign alone in the name of Nokia Corporation all the documents that relate to the filing, prosecution and registration of patent applications, as well as post-grant operations relating to patents granted based on such patent applications. Such documents may include without limitation case-specific Powers of Attorney, Assignment Deeds for as-signing the ownership of an invention to Nokia, Novelty Declarations and Inven-torship Declarations.

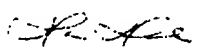
The rights granted under this Power of Attorney may not be transferred further, other than as specified above.


The authority granted by this Power of Attorney shall expire six (6) months from the date of execution.

Notwithstanding the foregoing, the authority granted by this Power of Attorney shall expire when the authorized person's employment with Nokia ends.

This Power of Attorney is duly signed on this day of January 1, 2012.

**NOKIA CORPORATION**

By:   
Name: Harri Honkasalo  
Title: Director,  
Legal and Intellectual Property

By:   
Name: Paul Melin  
Title: Vice President,  
Legal and Intellectual Property